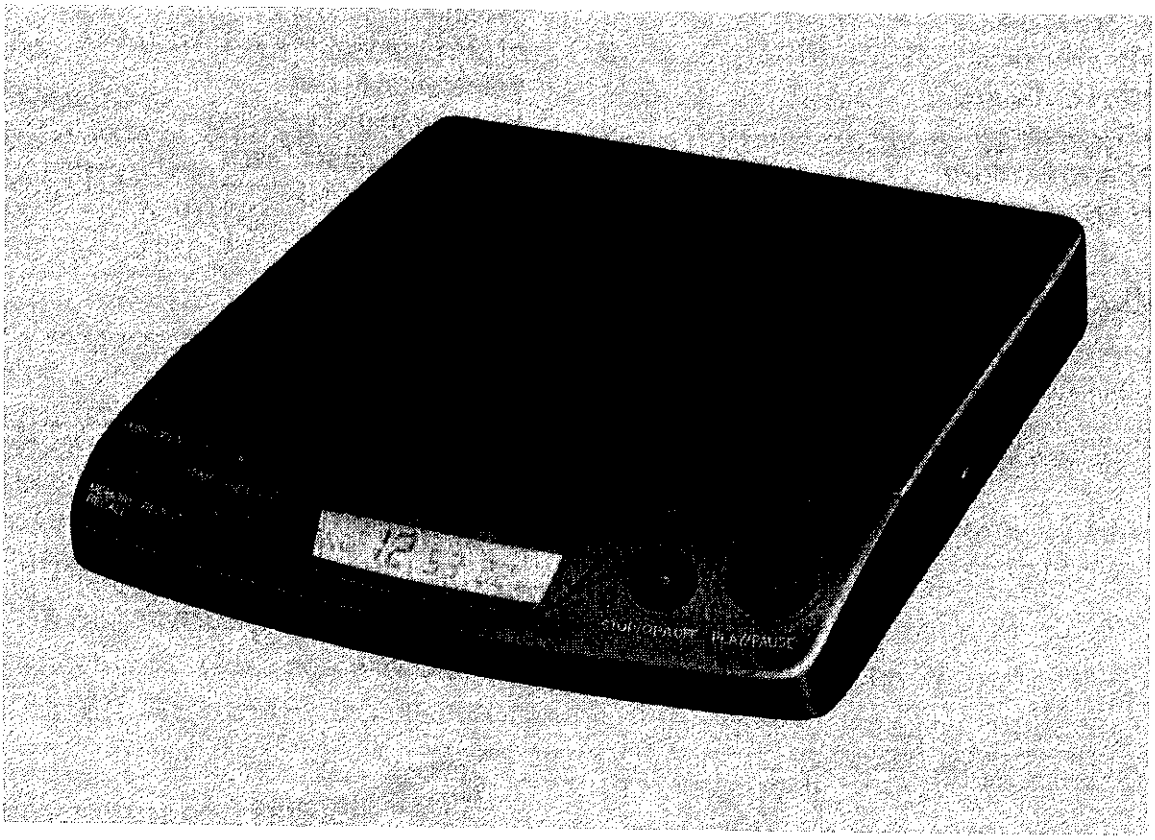
Technics

Portable CD Player

SL-XP300

OPERATING INSTRUCTIONS



DIGITAL COMPACT disc DIGITAL AUDIO

Notes:

- Specifications differ according to the area code.
- The "EB" area code, for example, indicates United Kingdom specifications.
- The "EB" indication is shown on the packing case and serial number tag.

EB GN

Before operating this unit, please read these instructions completely.

Dear Stereo Fan

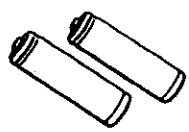
We want to thank you for selecting this product and to welcome you to the growing family of satisfied Technics product owners around the world.
We feel certain you will get maximum enjoyment from this new addition to your home.
Please read these operating instructions carefully, and be sure to keep them handy for convenient reference.

Contents

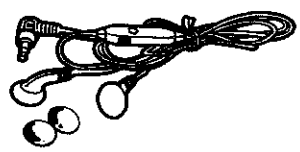
- Accessories 2
- Precautions 3
- Power Source 4
- Connections 6
- Panel Controls 7
- Operation 8
- Remote Control 13
- Maintenance 14
- Operation Notes 15
- Troubleshooting Guide 16
- About Compact Discs 16
- Specifications 17

Accessories

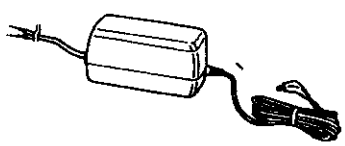
Rechargeable Batteries
(2 pieces)



Stereo Earphones
(with remote controller)



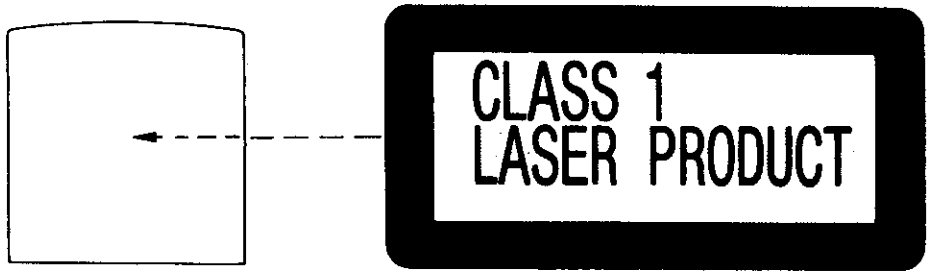
AC Adaptor



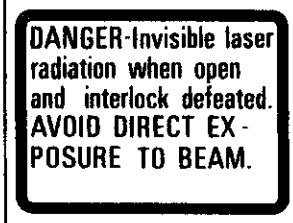
The shapes of the AC adaptor and plug may differ according to the area.

Stereo Connection Cable

Bottom of the product



CAUTION!
THIS PRODUCT UTILIZES A LASER.
USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.
DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.



(Bottom of the product)

For United Kingdom

Important

THE WIRES IN THIS MAINS LEAD ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE.
BLUE: NEUTRAL
BROWN: LIVE

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug proceed as follows. The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK.
The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED.
Under no circumstances must either of the above wires be connected to the earth terminal of a three pin plug.

This apparatus was produced to BS 800.

Marking sign is located on bottom of the unit.

Precautions

- **The batteries supplied with this unit are designed for Technics brand portable audio products only. Use in other products could cause damage or personal injury.**
- **If the set is not used for a long period of time or is used only from an AC power source, remove all the batteries for battery life and to prevent potential damage due to possible battery leakage.**
- **Do not mix batteries (old and new) or types (Ni-Cd, alkaline and carbon).**
- Avoid using or placing this unit near sources of heat. Do not leave it in an automobile exposed to direct sunlight for a long time with the doors and windows closed as this may deform the cabinet.
- When not in use, disconnect the AC adaptor from the AC power outlet.

WARNING:
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

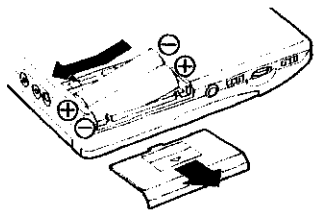
Power Source

This unit may be used with the included rechargeable batteries, the optional two LR6 type alkaline batteries, the included AC Adaptor or the optional Car Adaptor (SH-CDC6, optional).

■ Rechargeable batteries operation

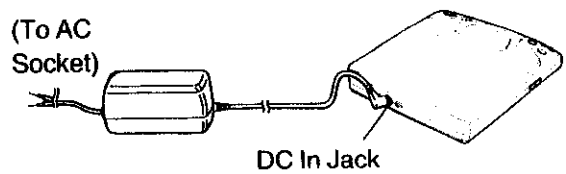
For its initial use after purchasing or after a long time interval (more than three months), make sure to recharge the rechargeable batteries. Normally 1 hour recharging will give approximately 1.5 hours and 3 hours recharging will give approximately 2.5 hours play.

1. Open the battery compartment cover and insert the rechargeable batteries into the battery compartment, making sure that the proper polarities are maintained.



2. Close the cover and connect the AC Adaptor as shown in the figure.

- The Charge Indicator will begin flashing. When the indicator lights, playing for approximately 1.5 hours can be operated. The indicator will turn off, when the charging is finished.



For UK, fit a suitable mains plug to the AC adaptor.

The shapes of the AC adaptor and plug may differ according to the area.

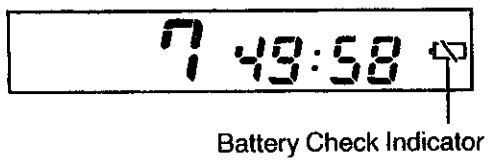
3. Disconnect the AC Adaptor.

- The unit can be turned on with the AC Adaptor while the battery is being recharged. In this case, the recharging time will be longer than the specified time.
- During playing, the charge indicator will not come up if the rechargeable batteries are inserted.

● Rechargeable battery life

This rechargeable battery can be recharged about 300 times. Over 300 times, its operation time will become shortened. That's time for replacing the rechargeable batteries with new ones (SH-CDB8).

- Battery condition can be checked by the Battery Check Indicator on the display. When the batteries are weak, the Battery Check Indicator begins to flash on and off, and then the unit will automatically shut off.



■ Optional LR6 type battery operation

Two LR6 type alkaline batteries can be inserted into the battery compartment in the same way as the rechargeable batteries.

- Battery condition can be also checked by the Battery Check Indicator. The indicator begins flashing on and off at a half consumption of the battery life.
  Use of alkaline batteries will give approximately 4 hours play.

Notes:
- Batteries installed with incorrect polarities may leak and damage this unit.
- Do not mix batteries (old and new) or types (Ni-Cd, alkaline and carbon).
- If the set is not used for a long period of time or is used only from an AC power source, remove all the batteries for battery life and to prevent potential damage due to possible battery leakage.

CAUTION
Non-rechargeable batteries must be removed before the AC adaptor is plugged into the unit.

■ AC power operation

Use only the included AC Adaptor with this unit.

1. Insert the plug, at the end of the AC Adaptor cord, into the DC In Jack.
2. Plug the AC Adaptor into your household AC power outlet.

CAUTION:
Do not use the included AC Adaptor for other products.

Note:
To operate on battery power, unplug the AC Adaptor from the household AC Power Outlet and the DC In Jack on the unit.

■ Car battery operation

Follow the operating instructions of the optional Car Adaptor.
The rechargeable battery can be recharged with the Car Adaptor.

CAUTION:
Use only car adaptor, Model: SH-CDC6, manufactured by Matsushita Electric Industrial Co., Ltd.

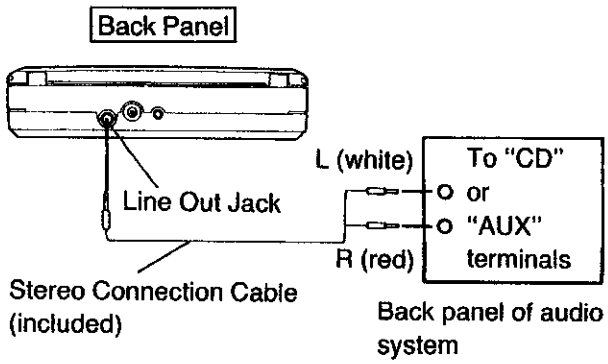
Notes:
- The batteries supplied with this unit are designed for Technics brand portable audio products only. Use in other products could cause damage or personal injury.
- Use only the included AC Adaptor or optional Car Adaptor when recharging.
- During recharging, the AC Adaptor and rechargeable batteries may get warm. This is normal.
- On its initial use after purchasing or its use after a long time interval, 3 hours recharging may not provide normal operation time. But the repeat of recharging will recover the normal operation time.
- Avoid recharging or placing the rechargeable battery near sources of heat or humidity. Recharging should be performed at 0°C~40°C (32°F~104°F).
- Do not attempt to recharge LR6/R6 type alkaline or carbon batteries.
- Do not use a rechargeable battery mixed with the other type (carbon or alkaline).
- Do not allow metal objects to touch the terminals. (A hazardous short circuit may result.)
- Do not incinerate the battery or bring it near a fire or open flame.
- If a battery leak should occur and the electrolyte comes into contact with skin or clothes, flush with water immediately.
  If the internal parts of the battery become visible because of damage to the battery, discard it immediately.

Connections

■ Listening through an audio system

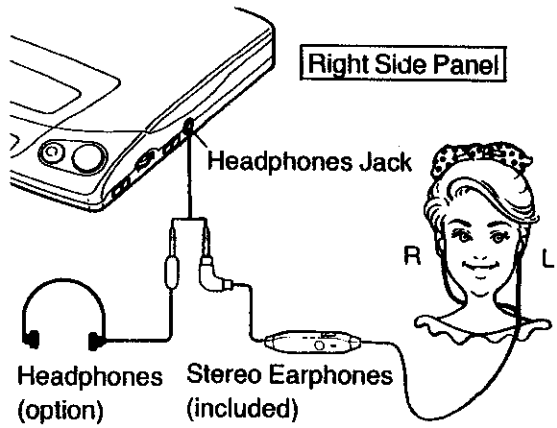
Use the Stereo Connection Cable (included) to connect this unit to a receiver or a stereo cassette recorder.

- Switch OFF the power to the receiver or stereo radio cassette recorder before connecting this unit.
- Do not connect this unit to the PHONO terminals of the receiver or stereo radio cassette recorder.



■ Listening through the stereo earphones or headphones

Connect the plug of the Stereo Earphones (included) or headphones (option) to the Headphones Jack.

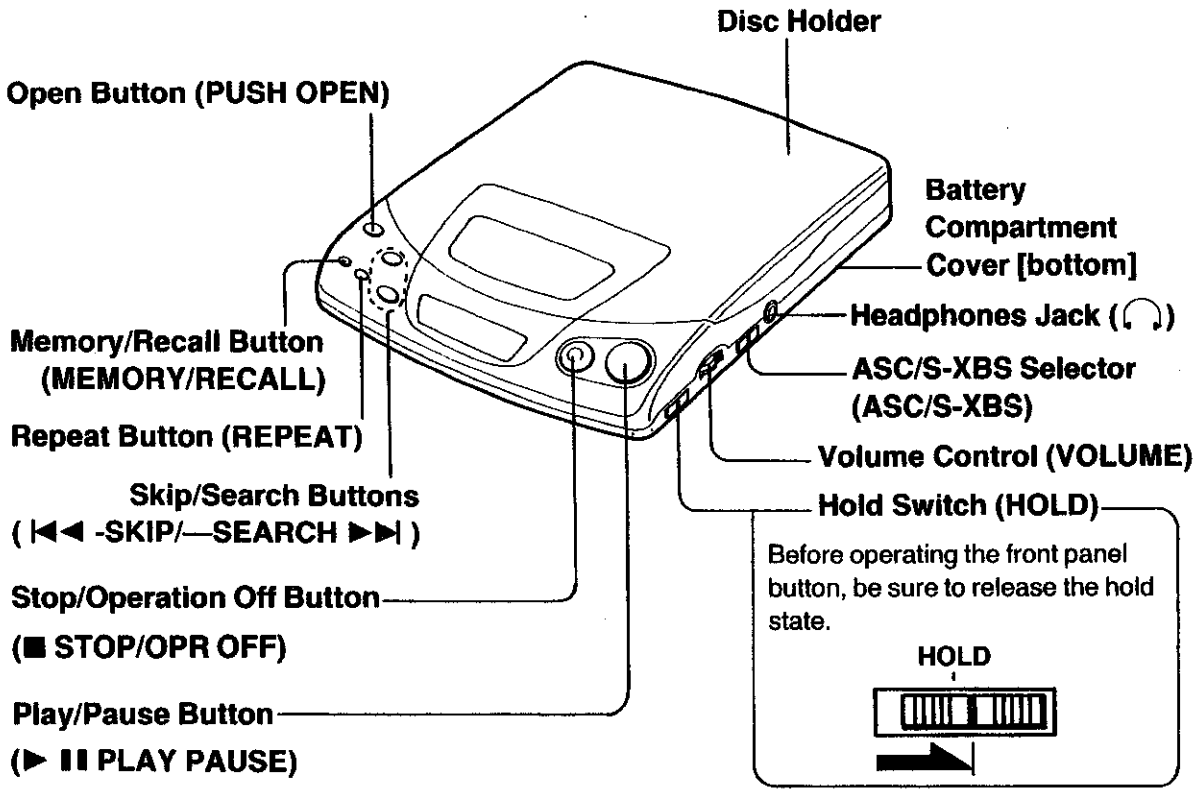


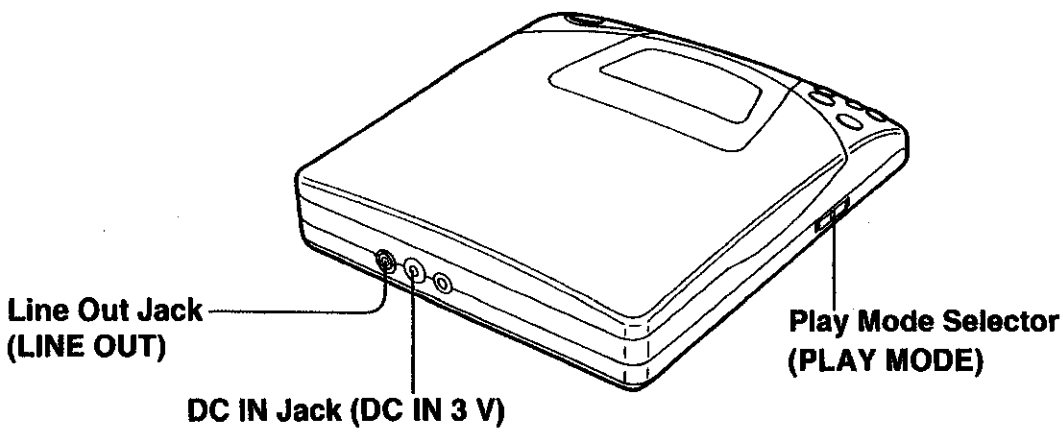
Note for stereo earphones:
The right earphone cord is longer than the left and is adjustable for your convenience.

Precautions for Listening with the Headphones

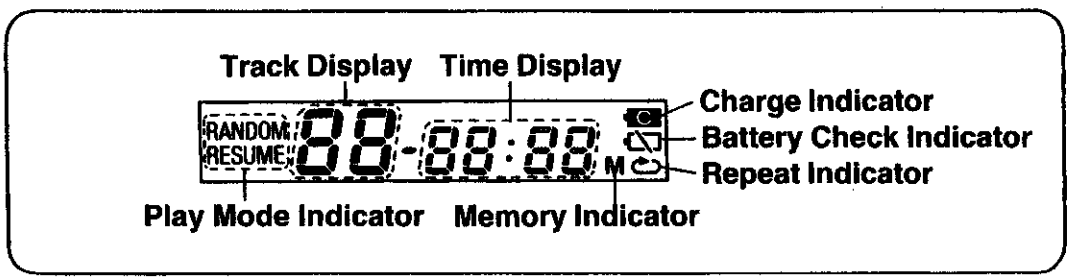
- Do not play your headset at a high volume. Hearing experts advise against continuous extended play.
- If you experience a ringing in your ears, reduce volume or discontinue use.
- Do not use while operating a motorized vehicle. It may create a traffic hazard and is illegal in many areas.
- You should use extreme caution or temporarily discontinue use in potentially hazardous situations.
- Even if your headset is an open-air type designed to let you hear outside sounds, don't turn up the volume so high that you can't hear what's around you.

Panel Controls


Disc Holder
Open Button (PUSH OPEN)
Battery Compartment Cover [bottom]
Headphones Jack ( )
Memory/Recall Button (MEMORY/RECALL)
ASC/S-XBS Selector (ASC/S-XBS)
Repeat Button (REPEAT)
Volume Control (VOLUME)
Skip/Search Buttons (|◄◄ -SKIP/—SEARCH ►►|)
Hold Switch (HOLD)
Before operating the front panel button, be sure to release the hold state.
HOLD
Stop/Operation Off Button (■ STOP/OPR OFF)
Play/Pause Button (► II PLAY PAUSE)



Display (If this unit is used by AC adaptor or Car adaptor, the backlight of the display will be turned on.)



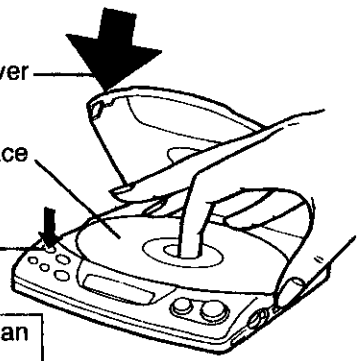
Operation

The following explanation is for a disc containing 7 tracks having a total playing time of 49 minutes and 58 seconds.

1 Normal play
(To play a disc from the first track to the end of the disc)

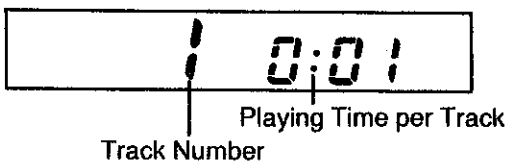
First, set the Play Mode Selector to "NORMAL" position. (The Play Mode Indicator has no display.)

1. Insert a disc.



8 cm size discs can be used without adaptor.

2. Release the hold state.
   Functional buttons except for Open Button cannot be activated in the hold state.
   - The Remote Controller on the Stereo Earphones also has the Hold Switch.
   - Before operation, be sure to release the hold state of whichever (the unit or the Remote Controller) you use.
3. Press the Play/Pause Button.
   - The unit will be turned on and the disc will be played from the first track.

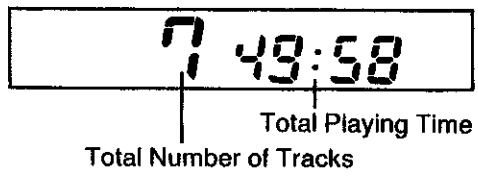


4. Adjust the volume.

First, turn down the level control of the unit or the connected audio system.

- To listen through Stereo Earphones or Headphones, adjust the phones level by the phones level control of the unit.
- To listen through an audio system, adjust the output level on the amplifier or receiver.

5. To stop disc play, press the Stop/Operation Off Button.
   - The disc will stop rotating, and the total number of tracks and total playing time will be displayed.



   - When all tracks have been played, the disc will automatically stop.

6. Press the Stop/Operation Off Button again to turn the unit off.
   - The unit will be turned off automatically after about 4 minutes in the stop mode.

Notes:
- Always press the Stop/Operation Off Button before opening the disc holder to avoid possible damage to disc and/or the disc play mechanism.
- Set the unit to stop mode (Total Number of Tracks and Total Playing Time are displayed) for Program Play, and be sure to press the Stop/Operation Off Button after the track number is displayed.

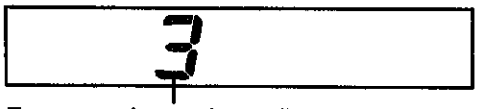
ASC/S-XBS Selector (Phones Only)

Set the ASC/S-XBS Selector to "S-XBS" to boost the low frequency range.
Setting to the "ASC" position will make the more amenity sound possible.
Also it will lessen the leaking noisy high sound disturbing the people around you and reduce the strain of listening for a long time.

[2] Skip play (To start disc play from a specific track)

Before use, release the hold state of the unit.

1. Press the ▶▶| Button (SKIP/SEARCH) in the stop mode to specify the desired track.
   - Each time you press this button, the pickup will advance by one track. If you go past the desired track, return the pickup using the |◀◀ Button.



For example, to play a disc from the track 3, press the ▶▶| Button 3 times.

   - To cancel, press the Stop/Operation Off Button.

2. Press the Play/Pause Button.
   - Disc play will start from the specified track, and continue to the last track.

■ Skip play during disc play

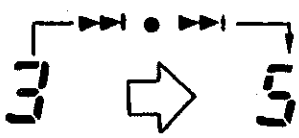
By pressing the Skip/Search Button (|◀◀ or ▶▶|) during disc play or when disc play is paused, you can easily move the pickup to the beginning of the track being played or a track before or after it.

•Forward skip

Each time the ▶▶| Button is pressed, the Track Number on the display will skip forward and disc play will resume.

For example, to skip from the track 3 to the track 5...

(Press the ▶▶| Button twice.)

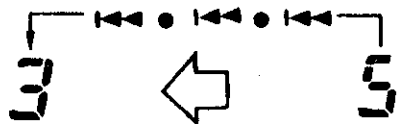


•Backward skip

The first time the |◀◀ button is pressed, the unit skips back to the beginning of the track in play. Then it skips back one track for each additional press.

For example, to skip from the track 5 to the track 3...

(Press the |◀◀ Button 3 times quickly.)

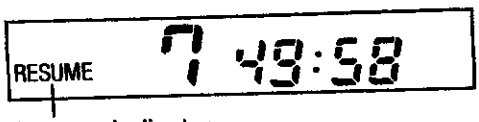


Operation (continued)

[3] Resume play (To play a disc from the track last played)

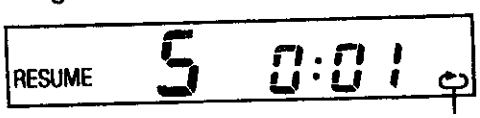
Before use, release the hold state of the unit.

1. Set the Play Mode Selector to "RESUME" in the stop mode.



Resume Indicator

2. Press the Play/Pause Button.
3. Press the Stop/Operation Off Button to stop disc play (for example, while the track 5 is being played.)
4. Press the Stop/Operation Off Button again to turn the unit off.
5. Press the Play/Pause Button.
   - The disc will be played from the beginning of the track 5.



Repeat Indicator

• Automatic Repeat Function

When the unit is in the resume mode, the unit will be automatically in the repeat mode.

- To cancel the repeat mode, press the Repeat Button or press the Stop/Operation Off Button.

Notes:

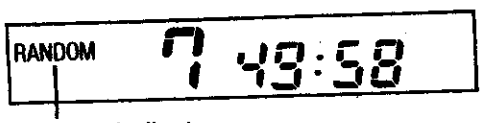
- The disc may be played from the next track when disc play has been stopped near the end of the track.
- Changing a disc confuses the resume play operation.
- Resume play cannot be performed when using the disc contained only one program.
- Program memory can not be resumed. If the unit has been turned off during program play, the track being played will resume only.
- Resume play mode can be set during play without turning off the unit.

[4] Random play (To play a disc in random order)

The unit's microcomputer selects the sequence of play in random order until all of the tracks on the disc have been played.

Before use, release the hold state of the unit.

1. Set the Play Mode Selector "RANDOM" in the stop mode.



Random Indicator

2. Press the Play/Pause Button.
   - The disc will be played in the random order.

- The first Track Number can be selected by pressing the ▶▶| Button in the stop mode.
- When all tracks have been played in random order, the disc will automatically stop.

Note:
Program play cannot be performed in the random mode.

5 Program play (To play a disc in a certain order)

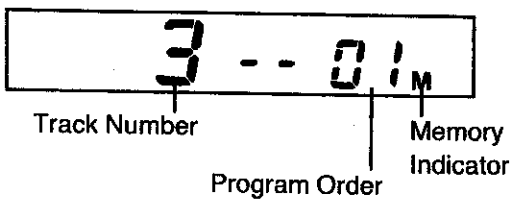
A maximum of 24 selections can be programed. First, set the play mode selector to "NORMAL" position (The Play Mode Indicator has no display).

Before use, release the hold state of the unit.

For example, to play track 3, track 5, track 1 in that order...

1. Press the ▶▶| Button 3 times in the stop mode.

2. Press the Memory/Recall Button.



- If the Memory/Recall Button is pressed repeatedly, the same track is programed.

3. Repeat procedure 1 and 2 according to your program selections.

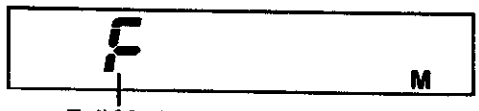
❶ Press the ▶▶| Button twice.

❷ Press the Memory/Recall Button.

❸ Press the |◀◀ Button 4 times.

❹ Press the Memory/Recall Button.

- To clear the program, press the Stop/Operation Off Button before Program play.
- If the program time is over 24 times, the following display appears.



4. Press the Play/Pause Button.
   - The disc will be played in the programed order.

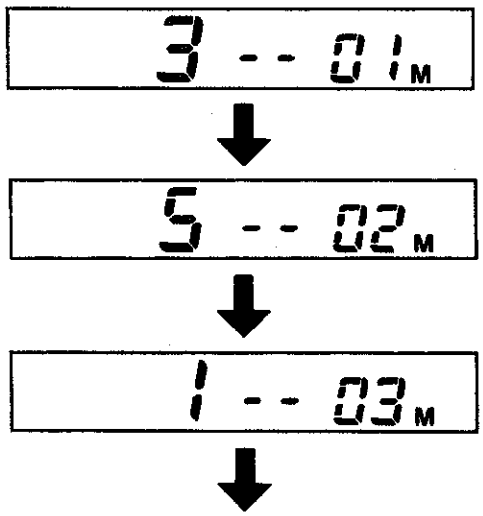
- When all programed tracks have been played, the disc will automatically stop.

Note:
All programs memorized will be cancelled when the Stop/Operation Off Button is pressed during program play. If the Play/Pause Button is pressed during program play, the program is not cancelled.

Operation (continued)

●Recall function

By pressing the Memory/Recall Button once during program play, the program can be easily recalled.



restored initial display

■ Repeat play

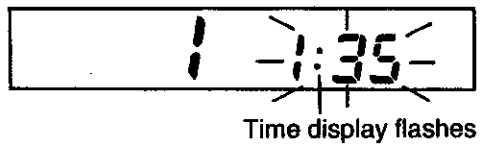
If the Repeat Button is pressed, the Repeat Indicator will appear, and the disc will be played repeatedly. Pressing the Repeat Button again or pressing the Stop/ Operation Off Button will cancel the repeat function.

Repeat Indicator

●During program play, only the memorized tracks will be played repeatedly in the memorized sequence.

■ Pause function

If the Play/Pause Button is pressed while a disc is being played, disc play will stop briefly.



Time display flashes

●When this button is pressed once again, disc play will continue from where it stopped.

■ Automatic operation off function

The unit will be turned off automatically after about 4 minutes in the stop or pause mode for battery life.

■ Search function

If the ▶▶| Button (or |◀◀ Button) is pressed and held during disc play, sound from the disc can be heard as the pickup moves at high speed in the forward (reverse) direction (the output level at this time is about 1/4 of the level during normal play). Release the button when the pickup reaches the desired portion of the disc.

Notes:

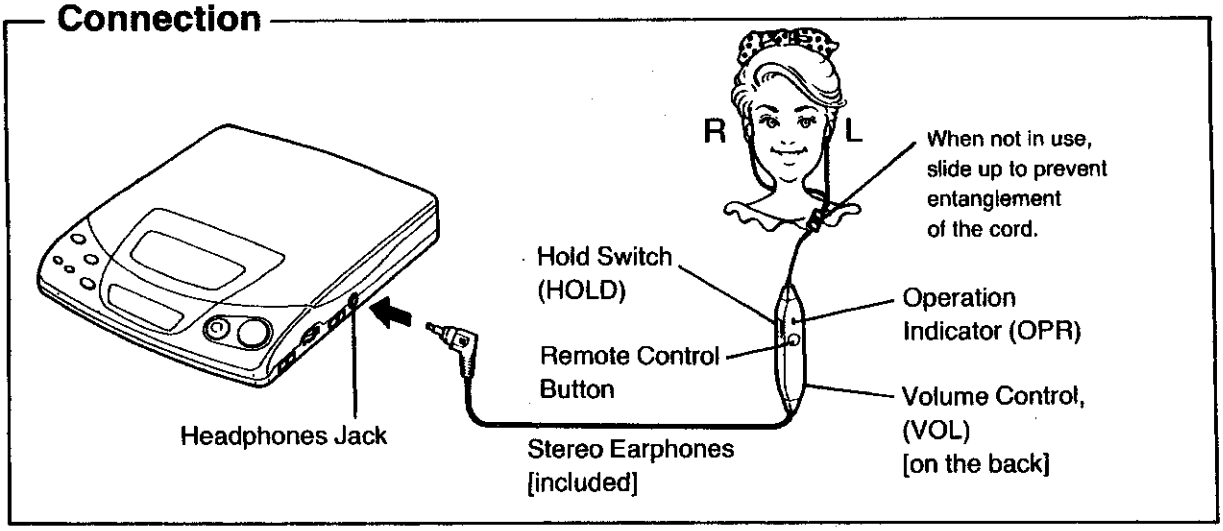
- During program play or random play, you can only search within the track being played.
- If you release the button immediately, the unit will go into the Skip play.

Remote Control

The following operation can be performed with the included Stereo Earphones, without pressing the operation buttons on the unit.

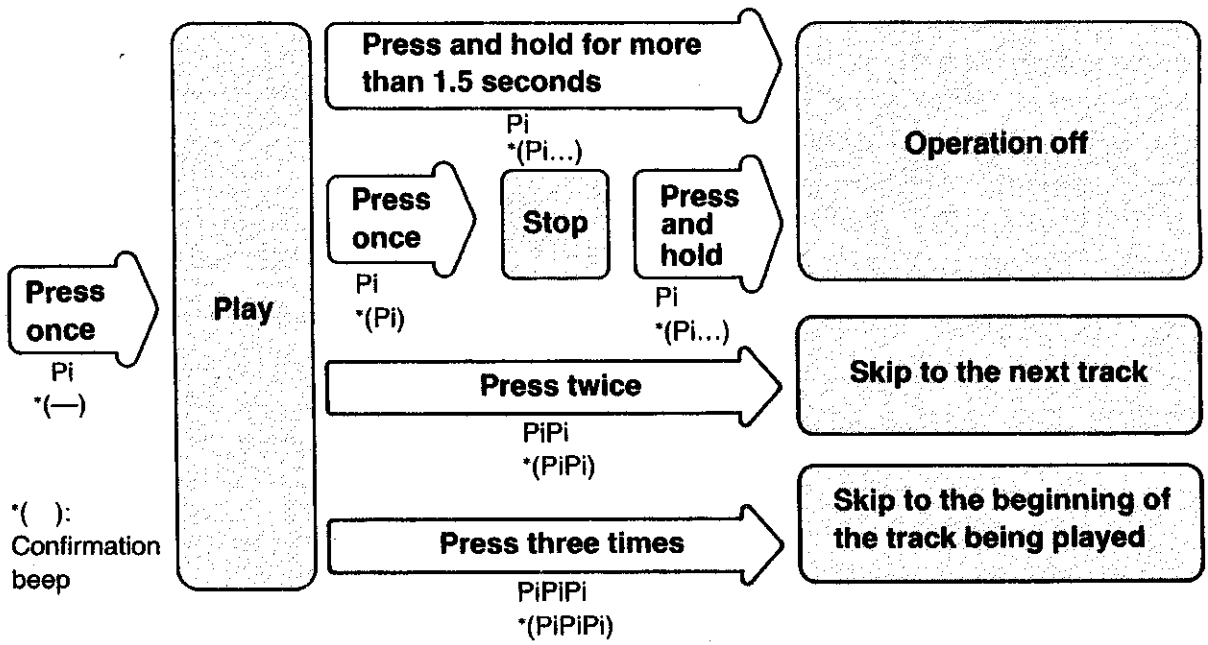
•play •stop •operation off •skip •volume control (phones level)

Connection



Operation

Before performing the remote control operation, be sure to release the hold state by sliding the Hold switch up.



•The beep (pi) will be emitted each time the Remote Control Button is pressed.
Also, confirmation beeps will be emitted after pressing to confirm the proper operation.

Remote Control (continued)

- When pressing the button twice or three times in succession, press it within one second and at equal intervals.
- Volume can be controlled within the main levels of the unit. Make sure to adjust the phones level control of the unit to 5–7 position.
- The Operation Indicator lights during playing and flashes in the stop mode. (The indicator is turned off in a power off condition.)

Hold switch

If setting the hold state by sliding down the Hold switch, the Remote control button can not be pressed. This prevents the Remote control button is pressed by mistake.

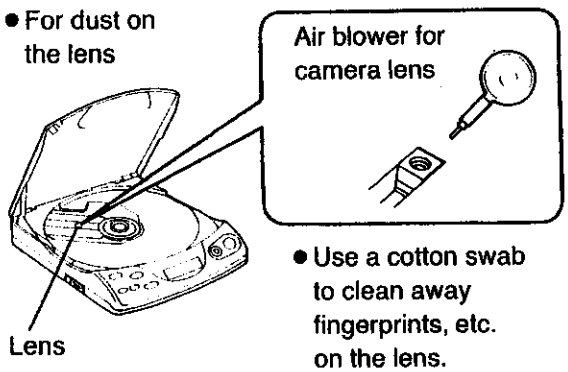
Maintenance

(Be sure to switch operation "OFF" first. If you are using the AC adaptor, disconnect it before cleaning.)

■ If the lens is dirty...

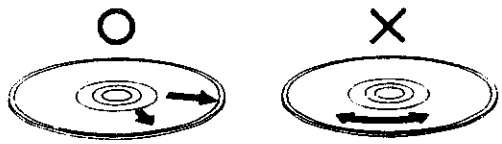
A dirty lens will cause sound skipping and, if the lens is very dirty, disc play may not be possible. Open the disc holder and clean the lens as shown in the figure.

Cleaning kit (option) Part number: SZZP1038C



■ If discs are dirty...

Clean with a soft, damp cloth, and wipe dry.



Always from the center outward.

Scratches caused by wiping in this direction can create noise.

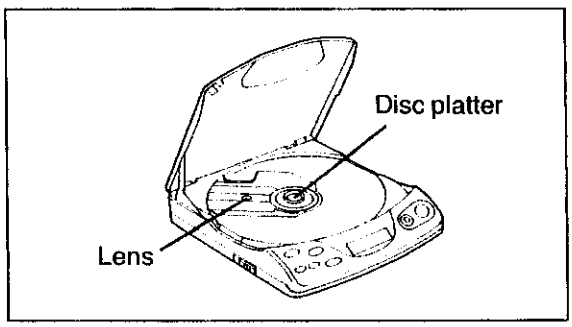
■ If the cabinet is dirty...

Wipe with a soft cloth. If the cabinet is very dirty, dampen the cloth with a weak solution of neutral detergent and water, and then wipe clean.

Operation Notes

■ Keep dust out.

Always be sure to close the disc holder to keep dust away from the lens. Also be careful never to touch the lens or disc platter.



■ Open the disc holder carefully.

When opening the disc holder, hold the unit horizontally so that the disc won't fall out.

■ Moisture may form on the lens in the following cases...

- Immediately after a heater has been turned on.
- In a steamy or very humid room.
- When the unit is suddenly moved from a cold environment to a warm one.

If moisture forms inside this unit, it may not operate properly. To correct this problem, wait about one hour for the moisture to evaporate.

■ Be careful of the volume level.

Compared to ordinary analog records, the music recorded on compact discs includes very little noise. Before listening always turn down the volume control. (Especially when it is connected to other audio systems, an extremely high output will be emitted from the amplifier, and might damage the speakers.)

■ Do not place near a tuner or television.

This unit uses high-frequency signals and can cause interference with radio and television reception. Should this occur relocate this unit away from them. If this does not help, switch off the operation to this unit when listening to the radio or watching TV.

When this unit is turned on with the AC Adaptor, disconnect the AC Adaptor.

■ Keep away from tapes.

The magnet used in this unit might erase the contents of nearly tapes.

■ About the play time display...

You may notice that there is a slight difference (a few seconds) between the time displayed for each tune and the time shown in the notes included with the disc. This is because the displayed time includes the time between tracks.

■ Set to "HOLD" before transporting.

When transporting the unit, make sure to set to "HOLD" to avoid accidental play start.

Troubleshooting Guide

If the unit does not operate properly, check all of the following points, as well as connections and the control positions of all components to this unit, before requesting professional servicing. This table does not include checks for mistaken connections or incorrect settings of other components. If the problem is not solved by this table or is not included in the problems listed below, contact your Technics dealer for assistance.

Problem	Causes	Remedy
Disc holder cannot be closed.	●The disc is not properly inserted.	●Take it out and insert it again.
Disc is inserted but number of tracks and playing time are not displayed.	●The Hold Switch is set to "HOLD" position. ●Disc is inserted upside down. ●Disc is dirty. ●Disc is scratched. ●Disc is seriously warped. ●A non-standard disc is inserted. ●Dew has formed inside the player.	●Release the hold state. ●Insert disc again properly. ●Wipe clean with soft cloth. ●Use a new disc. ●Use a new disc. ●Use only discs with the mark. ●Wait about 1 hour, then turn on again.

About Compact Discs

Noise can result if the disc is dirty, scratched, warped, etc. Please note the following points.

■ Compact disc identification...

COMPACT disc DIGITAL AUDIO

Use only compact discs bearing this mark.

■ Handling notes

- Be careful not to scratch the surface with fingernails or other sharp objects.
- Do not bend the disc.
- Do not dry discs with a hair dryer.
- Do not write on the label side with a ballpoint pen, hard pencil or other hard writing utensil.
- Do not attach any type of paper, label, etc. to the disc.
- If moisture forms on the disc, wipe it off with a soft, dry, lint-free cloth before using the disc.

■ Storage hints

Store the disc only in its own case. Keep discs away from...

- Locations exposed to direct sunlight.
- Heating equipment and places where the temperature is high.
- Places where there is high humidity or excessive dust.
- In the glove compartment or rear ledge of an automobile.

Specifications

■ Audio

No. of channels:	2 channels (stereo)
Output voltage:	1.0 V (50 kΩ)
Frequency response:	20~20000 Hz (+0.5 dB, −1.5 dB)
Dynamic range:	more than 94 dB
S/N ratio:	more than 96 dB
Digital filter:	8 times oversampling
Phones output:	max. 15 mW/16Ω (adjustable)

■ Signal Format

Correction system:	Technics New Super Decoding Algorithm

■ Pickup

Type:	Fine-focus, one beam
Light source:	Semiconductor laser
Wavelength:	780 nm
Lens:	Glass pressed lens

■ General

Power supply:	DC 3 V
Power consumption:	
AC adaptor;	3 W
Battery;	0.7 W (DC 3 V)
Dimensions (W×H×D):	128×29×145 mm
Weight:	335g with batteries

Specifications are subject to change without notice.
Weight and dimensions are approximate.